
QUALITY INDUSTRIAL/AGRICULTURAL MINERALS

TO: State of Utah
Susan White / Lynn Kunzler
Department of Natural Resources
Division of Oil, Gas & Mining,
1594 West North Temple, Suite 1210
P.O. 145801
Salt Lake City, Utah 84114-5801

6/5/08

FROM: Corey Thurston
Western Clay Co.

SUBJECT: Amendment to Notice of Intention to commence large scale mining
Operations, Western Clay Company Bentonite Pits (M /041 / 012)
Task ID Sevier County, Utah.

Dear Susan and Lynn,

I am proposing an amendment to our original NOI to proceed in two phases. These phases are described below.


PHASE I- Since none of our ongoing reclamation is complete at this time, I am proposing to increase our total acreage from 41.09 to 58.49. This addition will increase the size of our South Sheep Trail and North Slope Mines.

PHASE II- Our goal in this phase is to complete reclamation on 27.5 acres of our current mine and add an additional 10.4 acres of new ground.

Maps will be submitted with this proposal that show our mine plan for both Phase I and Phase II. To make it easier to follow, these large maps encompass our total mining area and include all of our bentonite pits. Map coordinates submitted with this proposal have been converted to UTM NAD 83. This conversion is from the original land survey conducted by Rex Friant that was filed with DOGM

If you have any further questions or requests please contact me.

Sincerely


Corey Thurston
Mine Supervisor
Western Clay Co.

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JUN 09 2008

Toll Free 1-800-982-7960
Telephone 435 529-3281 Fax 435 529-3714
620 East SR 24 PO BOX 127 AURORA, UT 84620-0127

DIV. OF OIL, GAS & MINING

Task ID# 2456

Form MR-REV-att (DOGM – Revise/Amend Change Form)
(Revised September 14, 2005)

Application for Mineral Mine Plan Revision or Amendment

Operator: <u>Western Clay Co.</u>			
Mine Name: <u>Bentonite Pits</u>		File Number: <u>M/041/012</u>	
Provide a detailed listing of all changes to the mining and reclamation plan that will be required as a result of this change. Individually list all maps and drawings that are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages, or other information as needed to specifically locate, identify and revise or amend the existing Mining and Reclamation Plan. Include page, section and drawing numbers as part of the description.			
DETAILED SCHEDULE OF CHANGES TO THE MINING AND RECLAMATION PLAN			
			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	II. Maps – Appendix 4-5 Combined to show all changes in Phase I & II on one map
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	III. Operation Plan – Phase I Increase Acres to 58.49 Phase II Reclaim 27.5 Acres & Add 10.4 Acres
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	V. Reclamation Plan – Reclamation treatments for So. Sheep trail, North Slope & Red Pit
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	VII. Surety – The only difference is Acres in Phase I & Phase II. We would like to request an average cost per acre
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments and obligations, herein.

Corey Thurston
Print Name

Corey Thurston, Mine Manager
Sign Name, Position

5-24-08
Date

Return to:

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
Phone: (801) 538-5291 Fax: (801) 359-3940

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FOR DOGM USE ONLY:	
File #:	<u>M/ /</u>
Approved:	_____
Bond Adjustment: from (\$)	_____
to \$	_____

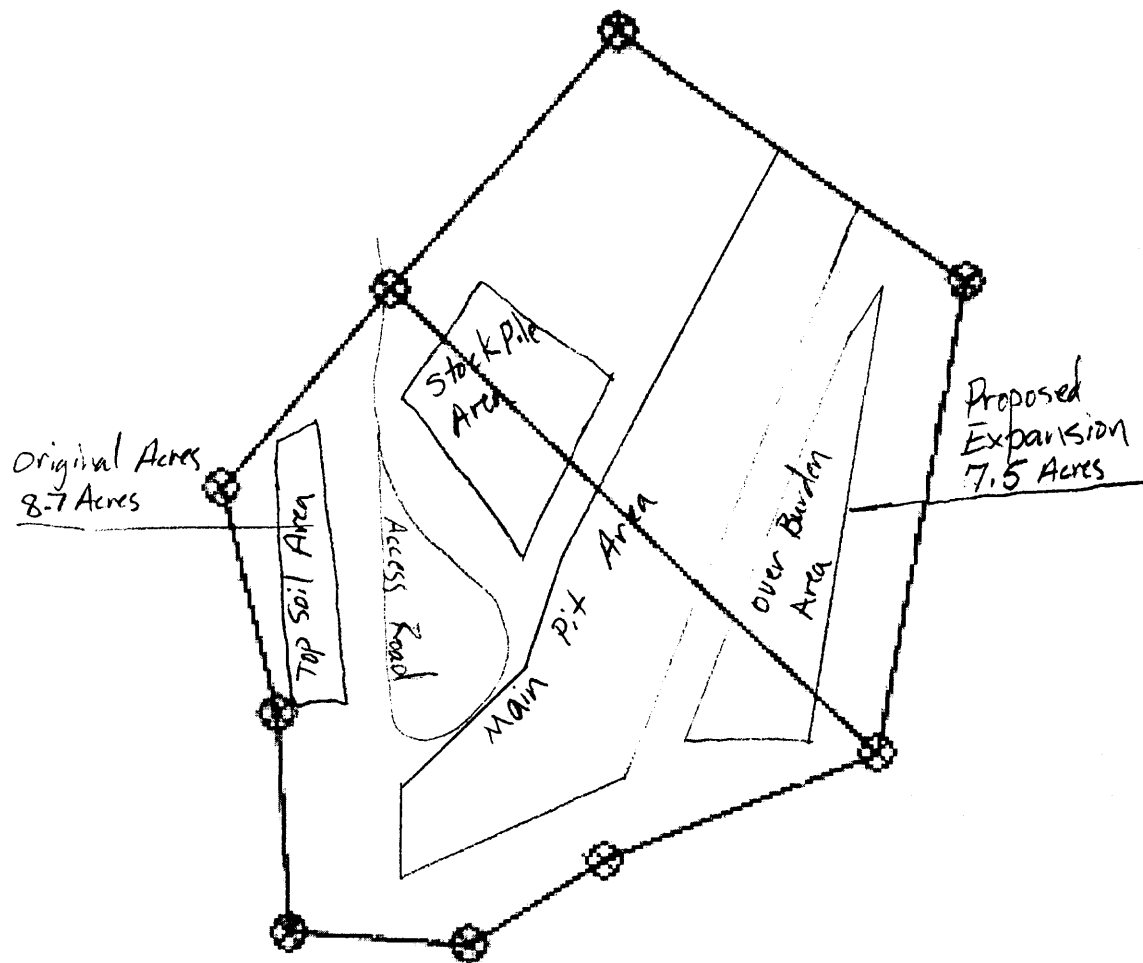
RECEIVED

JUN 09 2008

11. Map Coordinates

Point Number	UTM NAD 83
1	12S 424184 4319561
2	12S 424360 4319567
3	12S 424312 4319455
4	12S 424195 4319355
5	12S 424124 4319398
6	12S 424065 4319463
7	12S 423984 4319347
8	12S 454009 4319283
9	12S 424229 4319255
10	12S 423980 4319237
11	12S 424190 4319149
12	12S 424302 4319249
13	12S 424222 4319126
14	12S 423904 4319113
15	12S 423967 4319081
16	12S 424019 4319042
17	12S 424053 4318955
18	12S 424043 4318855
19	12S 423859 4318993
20	12S 423859 4318922
21	12S 423989 4318826
22	12S 423955 4318648
23	12S 423770 4318825
24	12S 423870 4318675
25	12S 423851 4318607
26	12S 423798 4318576
27	12S 423730 4318581
28	12S 423726 4318664
29	12S 423705 4318752
30	12S 424364 4319580
31	12S 424389 4319803
32	12S 424270 4319804
33	12S 424209 4319640
34	12S 424210 4319573

Coordinates shown are UTM NAD 83
converted from State Plane Coordinates,
Utah Zone, NAD 83 from the original
site map survey of
Sec. 2, T. 21 S., R. 1 W. S.L.B.&M. &
Sec. 35, T. 20 S., R. 1 W. S.L.B.&M.
Sevier County
For: Western Clay Company

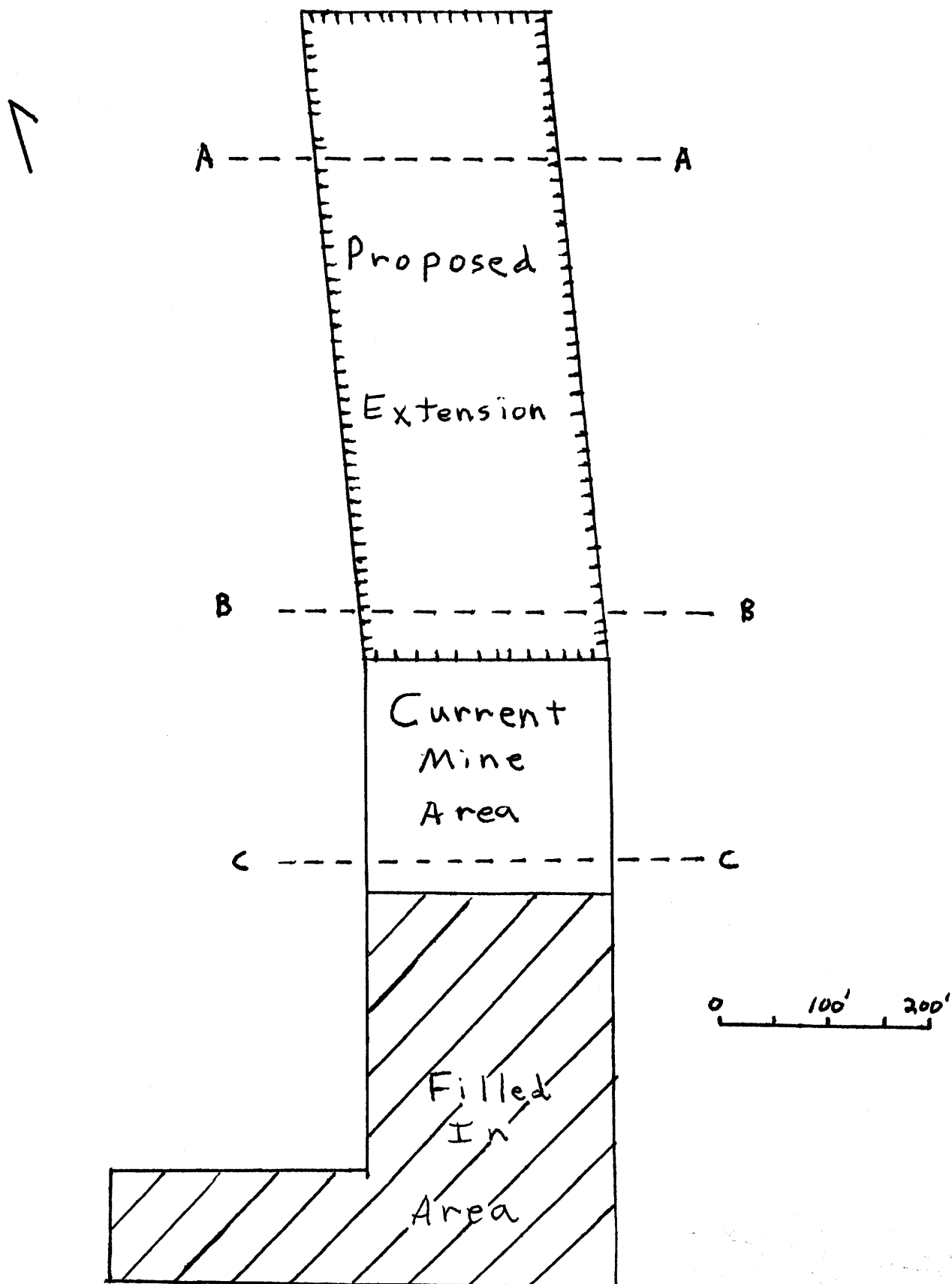


Reclamation Treatments-North Slope Pit Area

- Bentonite stockpiles will be removed and/or used as fill for the pit area.
- Pit area slopes will be graded to a stable configuration.
- Overburden will be used to cover disturbed area and/or as fill for the pit area slopes.
- Catch basin will be breached to allow drainage.
- Roadway will be disced and roughened to match total reclaimed area.
- All pit areas will be treated as follows:
 1. Soil surface will be disced and pitted to roughen soil surface so there are small pits to catch precipitation.
 2. Seed will be broadcast according to D.O.G.M. recommendations. Recommendations from the original L.O.I. were for; Fourwing Saltbrush at 4 lbs. per acre, Rabbitbrush at 4 lbs. per acre, Shadsale at 4 lbs. per acre, Crested Wheatgrass at 5 lbs. per acre, and Indian Ricegrass at 3 lbs. per acre for a total of 20 lbs. per acre.
 3. Seed will be lightly harrowed or raked into the soil $\frac{1}{4}$ " to $\frac{1}{2}$ ".
 4. Appropriate fertilizer will be applied based on D.O.G.M. recommendations. Recommendation is to use composted manure, biosolids or wood chips at a rate of 10 ton per acre.
- All equipment and foreign matter will be removed from the site.

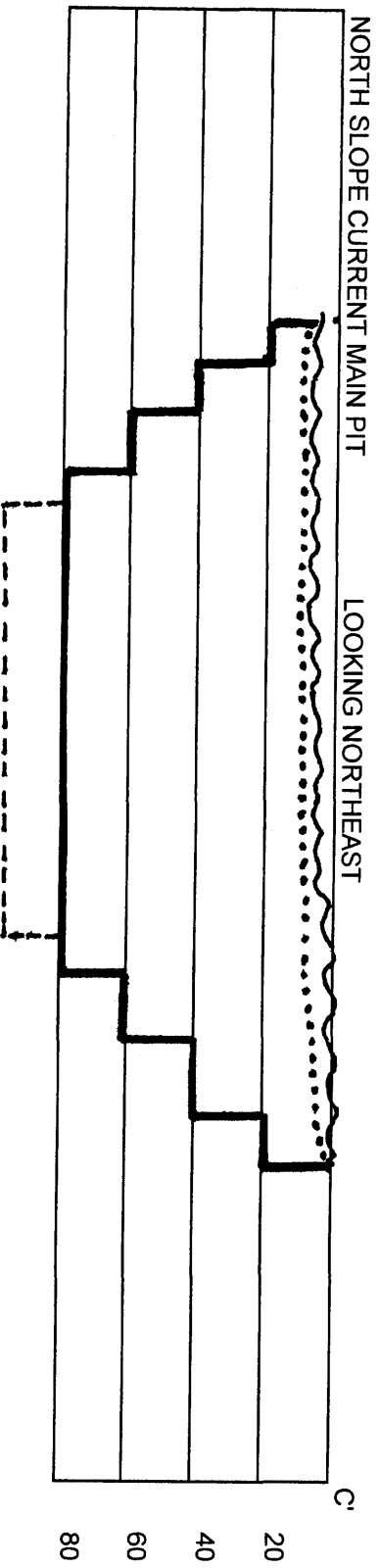
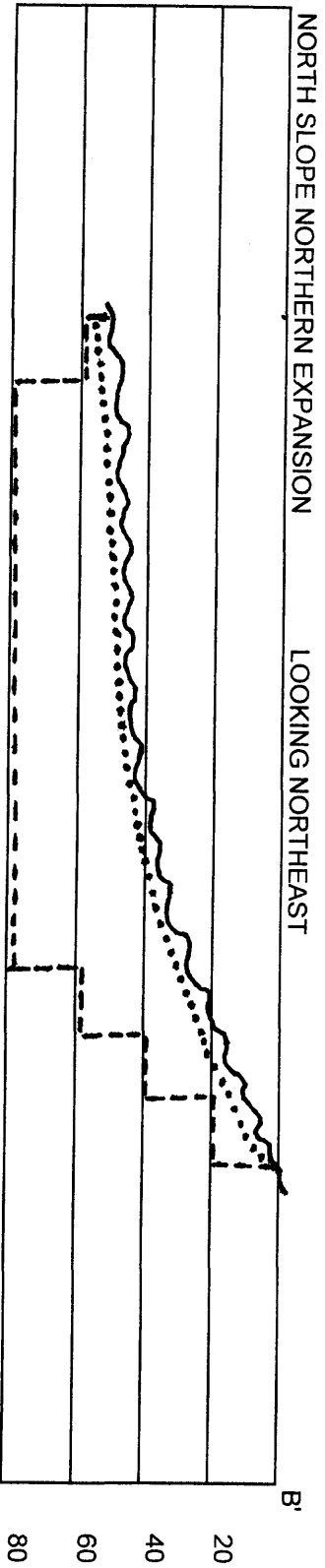
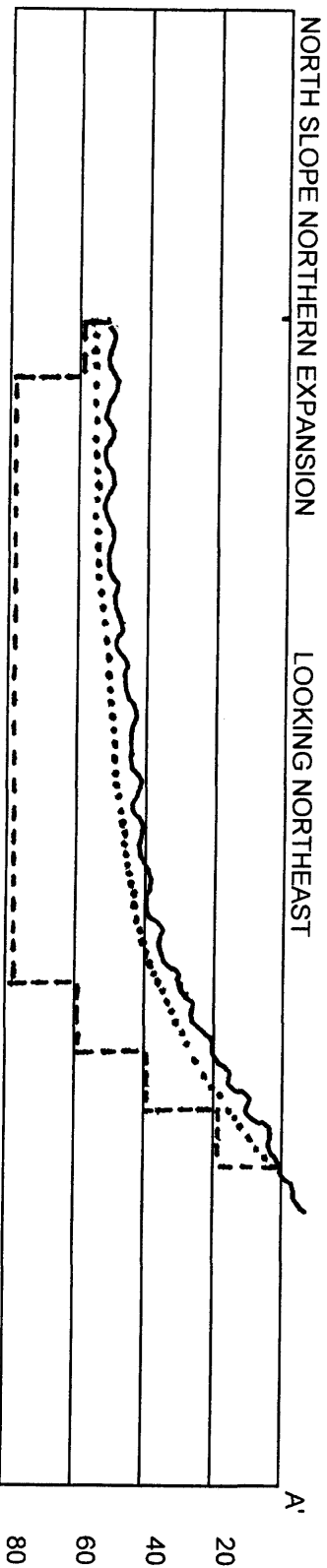
NORTH SLOPE
NEW NORHTERN EXPANSION
5/14/08

CURRENT MINE AREA 
PROPOSED MINE AREA 
CROSS SECTIONS 

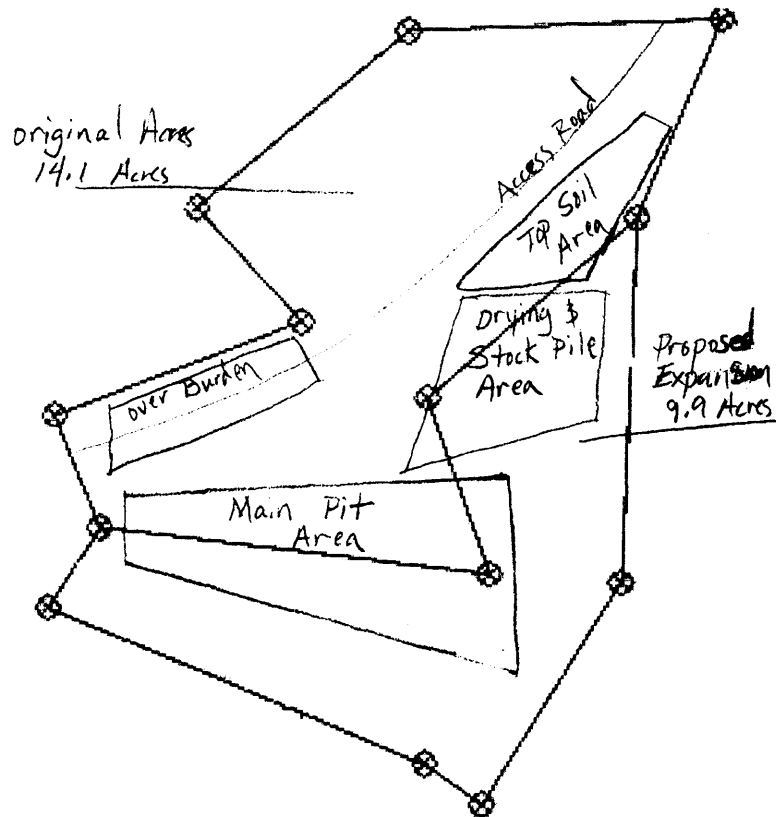


5/14/08
NORTH SLOPE MINE

CURRENT MINE PROFILE
PROPOSED MINE PROFILE
PROPOSED RECLAMATION
NATURAL CONTOUR



2' 20' 40' 60' 80' 100'

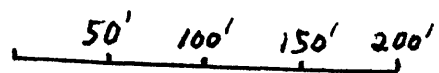
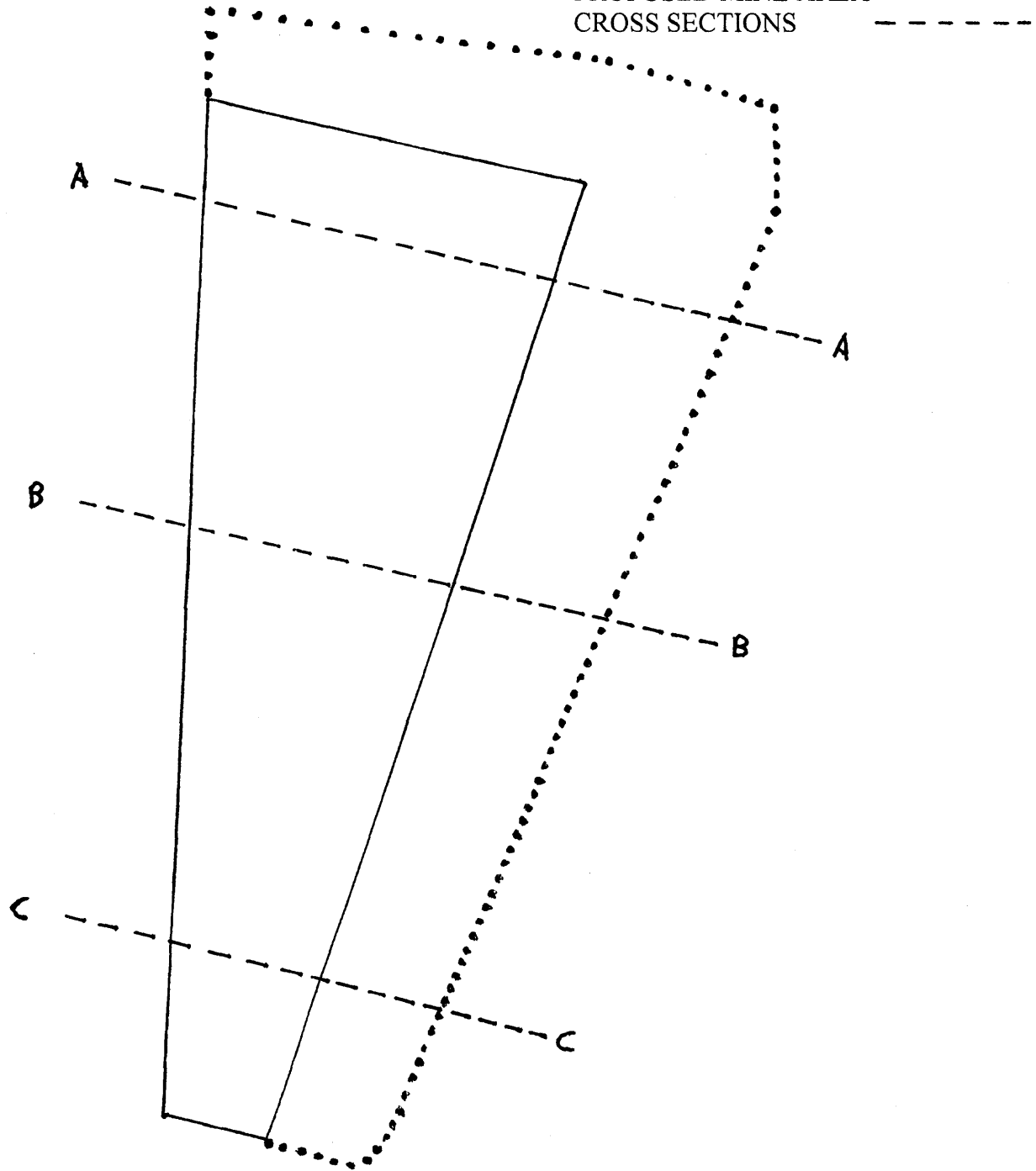


Reclamation Treatments-South Sheep Trail Pit Area

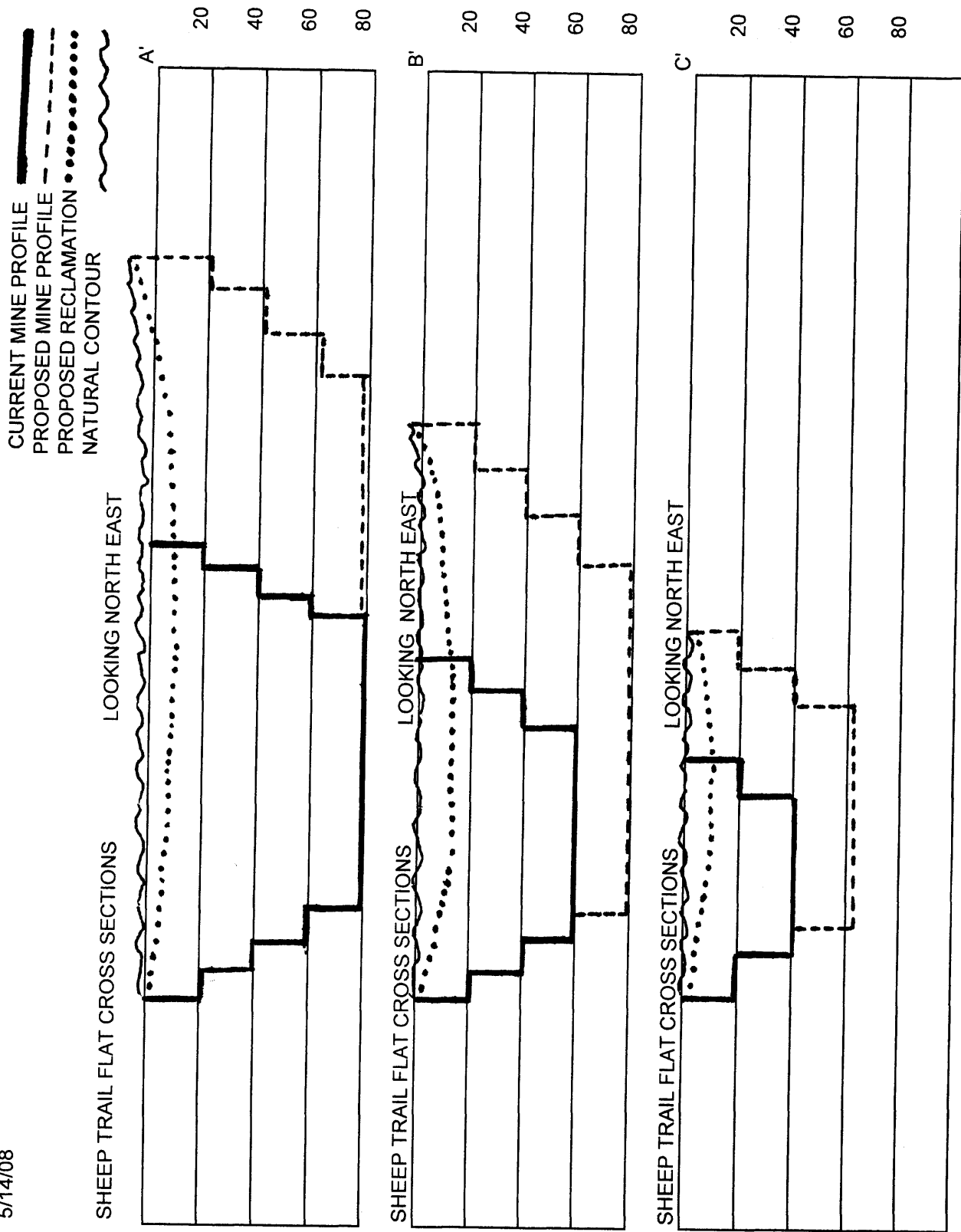
- Bentonite stockpiles will be removed and/or used as fill for the pit area.
- Pit area slopes will be graded to a stable configuration.
- Overburden will be used to cover disturbed area and/or as fill for the pit area slopes.
- Catch basin will be breached to allow drainage.
- Roadway will be disced and roughened to match total reclaimed area.
- All pit areas will be treated as follows:
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 2. Seed will be broadcast according to D.O.G.M. recommendations. Recommendations from the original L.O.I. were for; Fourwing Saltbrush at 4 lbs. per acre, Rabbitbrush at 4 lbs. per acre, Shadsale at 4 lbs. per acre, Crested Wheatgrass at 5 lbs. per acre, and Indian Ricegrass at 3 lbs. per acre for a total of 20 lbs. per acre.
 3. Seed will be lightly harrowed or raked into the soil $\frac{1}{4}$ " to $\frac{1}{2}$ ".
 4. Appropriate fertilizer will be applied based on D.O.G.M. recommendations. Recommendation is to use composted manure, biosolids or wood chips at a rate of 10 ton per acre.
- All equipment and foreign matter will be removed from the site.

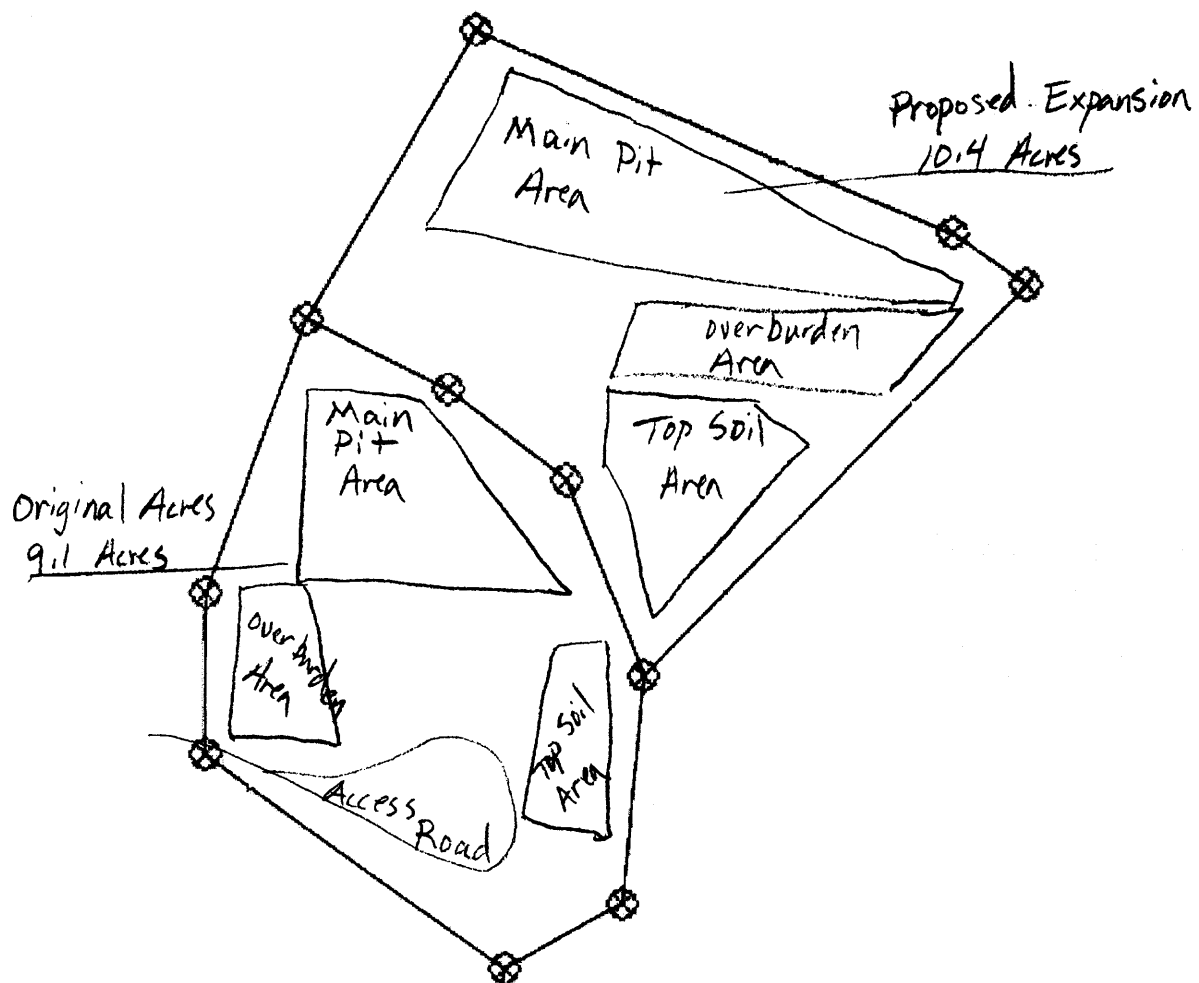
SHEEP TRAIL FLAT
5/14/08

CURRENT MINE AREA —————
PROPOSED MINE AREA
CROSS SECTIONS - - - - -



5/14/08





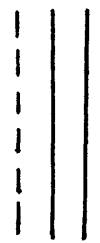
Reclamation Treatments-Red Pit Area

- Bentonite stockpiles will be removed and/or used as fill for the pit area.
- Pit area slopes will be graded to a stable configuration.
- Overburden will be used to cover disturbed area and/or as fill for the pit area slopes.
- Catch basin will be breached to allow drainage.
- Roadway will be disced and roughened to match total reclaimed area.
- All pit areas will be treated as follows:
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 3. Seed will be lightly harrowed or raked into the soil $\frac{1}{4}$ " to $\frac{1}{2}$ ".
 4. Appropriate fertilizer will be applied based on D.O.G.M. recommendations. Recommendation is to use composted manure, biosolids or wood chips at a rate of 10 ton per acre.
- All equipment and foreign matter will be removed from the site.

RED PIT MINE
CURRENT STATUS
5/14/08



CURRENT MINE AREA
PROPOSED MINE AREA
CROSS SECTIONS



Current
Active
Mine Area

Old Mine Area
used for Drying
and Stock Piling

A

B

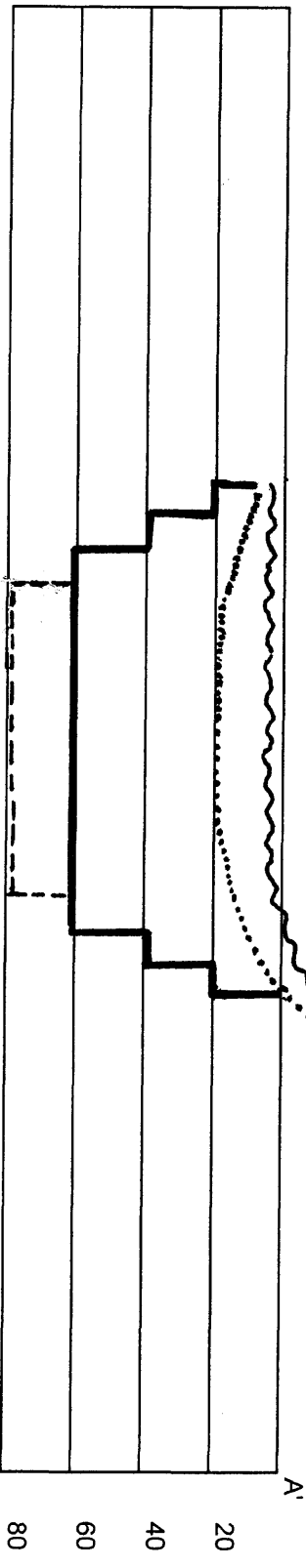
C



5/14/08

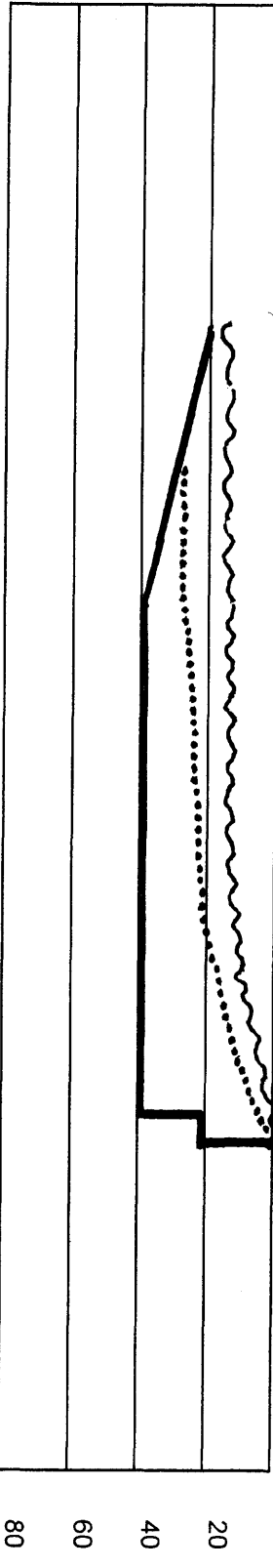
RED PIT MINE CROSS SECTIONS

LOOKING NORTH EAST



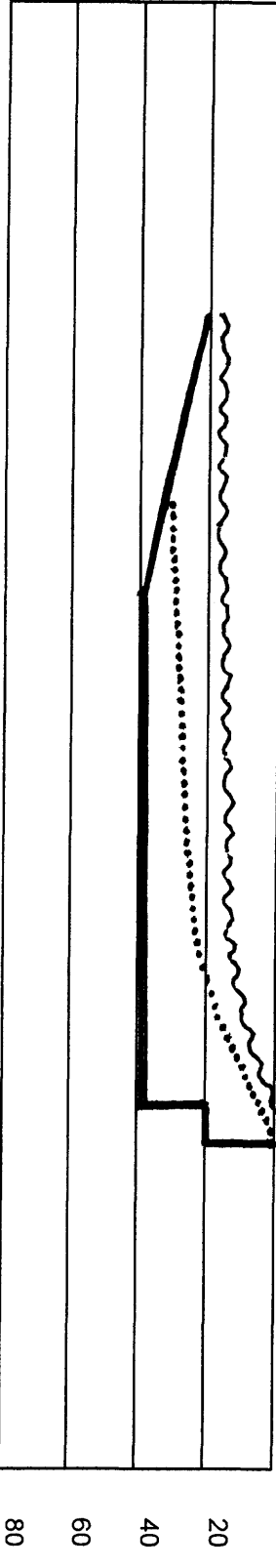
RED PIT MINE CROSS SECTIONS

LOOKING NORTH EAST



RED PIT MINE CROSS SECTIONS

LOOKING NORTH EAST



0' 20' 40' 60' 80' 100'